

Docket No. 210683US2SRD



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Koichiro AKIYAMA

SERIAL NO: New Application

GAU:

FILED: Herewith

EXAMINER:

FOR: BROADCAST RECEIVING METHOD AND APPARATUS AND INFORMATION DISTRIBUTING METHOD AND APPARATUS

COPY

INFORMATION DISCLOSURE/RELATED CASE STATEMENT UNDER 37 CFR 1.97

ASSISTANT COMMISSIONER FOR PATENTS
WASHINGTON, D.C. 20231

SIR:

Applicant(s) wish to disclose the following information.

REFERENCES

- ☒ The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check is attached in the amount required under 37 CFR §1.17(p).

RELATED CASES

- ☒ Attached is a list of applicant's pending application(s) or issued patent(s) which may be related to the present application. A copy of the patent(s), together with a copy of the claims and drawings of the pending application(s) is attached along with PTO 1449.
- ☐ A check is attached in the amount required under 37 CFR §1.17(p).

CERTIFICATION

- ☐ Each item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

DEPOSIT ACCOUNT

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,
MAIER & NEUSTADT, P.C.

Marvin J. Spivak
Registration No.

24,913



22850

Tel. (703) 413-3000
Fax. (703) 413-2220
(OSMMN 10/98)

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STATEMENT OF RELEVANCY

Reference AW on Form PTO-1449:

Current conditional-access (CA) systems for satellite broadcasting offer high security by periodically transmitting CA information to each receiving apparatus. However, these systems are required to transmit a large amount of CA information. The need has therefore arisen for improvements to reduce the amount of CA information, especially in the case of mobile-audio broadcasting systems which have a restricted band and cannot expect to receive CA information regularly. In response to this problem, we have invented new concepts for both key configuration and event-driven transmission, which have decreased the amount of data to be transmitted. This invention referred the CA system described in this article as an example of CA system.

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SHEET 1 OF 1

Form PTO 1449
(Modified)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY DOCKET NO.
210683US2SRDSERIAL NO.
New Application

LIST OF REFERENCES CITED BY APPLICANT

APPLICANT

Koichiro AKIYAMA

FILING DATE

Herewith

GROUP

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
	AL						
	AM						
	AN						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO	
	AO					
	AP					
	AQ					
	AR					
	AS					
	AT					
	AU					
	AV					

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

	AW	Koichiro AKIYAMA, et al., "Pay Mobile-Audio Broadcasting System", TOSHIBA REVIEW, Vol. 54, No. 7, (1999), pages 38-40
	AX	
	AY	
	AZ	

Examiner

Date Considered

*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.